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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )

SCHUBERT W. )

Art Unit: 1641

Serial No: 09/613,964 )

Examiner: PADMANABHAN K.

Filed: JULY 11, 2000 )

For: A DEVICE FOR BINDING )

MOLECULES, MOLECULAR GROUPS,)

MOLECULAR PARTS, AND/OR CELLS)

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NEW CLAIMS

16. A device for delivering a liquid to a target structure, wherein the device comprises:
  - (a) an object holder capable of detachably receiving a target structure, wherein said object holder is operably in contact with an object holder thermostat;
  - (b) a stretchable sheet disposed on said object holder; and
  - (c) a duct, wherein said duct is defined by said object holder, and said stretchable, sheet, wherein said duct has a liquid inlet and a liquid outlet.
17. The device of Claim 16, wherein the device is operably connected to a means for delivering a liquid to said duct, said means for delivering being selected from a plunger mechanism and a pump.
18. The device of Claim 16, wherein said liquid outlet is operably connected to a discharge pump.
19. The device of Claim 16, wherein said object holder thermostat comprises a Peltier element.

20. The device of Claim 16, further comprising a vessel disposed to receive a liquid from said liquid outlet.
21. The device of Claim 20, wherein said vessel is operably contacted with a vessel thermostat.
22. The device of Claim 21, wherein said vessel thermostat comprises a Peltier element.
23. The device of Claim 16, further comprising at least one stretchable, non-elastic strip disposed between said object holder and said at least one stretchable, non-elastic sheet.
24. The device of Claim 23, further comprising at least one rail contacting said stretchable, non-elastic sheet.
25. The device of Claim 16, further comprising at least one rail contacting said stretchable, non-elastic sheet.